

PN - JP9018694 A 19970117
 PD - 1997-01-17
 PR - US19950496656 19950629
 OPD - 1995-06-29
 TI - APPARATUS AND METHOD FOR CORRECTING SKEW IN IMAGE
 IN - MAIKERU II FUAARERU
 PA - XEROX CORP
 IC - H04N1/387 ; G06F3/13 ; G06F3/14 ; G06T3/60 ; G06K9/32 ;
 H04N1/04
 - WPI / DERWENT

TI - Printing device using skew correction appts - rotates image
 by predetermined skew angle based on co-ordinates value obtained
 from co-ordinates unit

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 PA - (XEROX) XEROX CORP
 IC - G06F3/13 ; G06F3/14 ; G06K9/32 ; G06T3/60 ; H04N1/04 ; H04N1/387
 AB - J09018694 The device processes the image signal
 corresponding to a document and is stored in a memory. Bit
 mapping of the pixels contained in the image signal is performed.
 Each pixel is matched with a particular co-ordinate by a
 co-ordinates unit. A bit map expression is displayed on display
 screen. A GUI unit displays the image being shifted by
 predetermined skew angle based on the specified bit map
 expression.

- A pointing unit selects first and second pixels from the
 displayed image. The magnitude of this skew is decided based on
 the co-ordinates value obtained from the co-ordinates unit. The
 image is rotated at a particular skew angle.

- ADVANTAGE - Enables to print images easily.

- (Dwg.12/12)

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- PAJ / JPO

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 AP - JP19960162703 19960624
 IN - FARRELL MICHAEL E
 PA - XEROX CORP
 TI - DEVICE AND METHOD FOR CORRECTING SKEW OF IMAGE
 AB - PROBLEM TO BE SOLVED: To reduce the image processing time in
 an electronic printer and to obtain a high job performance by
 allowing the user to have only to select two points in a bit map
 so as to set a magnitude of a skew angle.

- SOLUTION: After the user manually makes a correcting operation
 to obtain a magnitude of a skew angle, a built-in processor
 checks whether or not the angle is equal to any of selected
 reference angles. In this embodiment, the reference angles are 45
 deg., 135 deg., 225 deg., and 315 deg.. When the skew angle
 θ is not equal to any of them, the step is advanced and the
 skew angle θ is normalized. Then 90 deg., 180 deg., or 270
 deg. is subtracted from the skew angle θ for the
 normalization and whether or not the assumption of a small angle
 is made is decided. A printer inquires of a proper state index to
 discriminate whether or not an object image 24 is to be rotated
 by the minimum angle. When the 'Auto Adjust' is turned off, a
 high degree of flexibility is obtained by designating an angle
 and its direction of rotation of an object image 214.

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